41665

18.1285

\$/137/62/000/010/015/028 A052/A101

AUTHORS:

Rybakov, Ye. I., Fomicheva, N. A.

TITLE:

Application of titanium and its alloys as corrosion-resisting

materials in titanium dioxide production

PERTODICAL:

Referativnyy zhurnal, Metallurgiya, no. 10, 1952, 87, abstract

101573 ("Lakokrasochn, materialy i ich primeneniye", no. 2, 1962,

60 - 62)

TEXT: Tests of Ti and its alloys were carried out in media specific for ${\rm TiO}_2$ production, where the concentration of ${\rm H}_2{\rm SO}_4$ varies from 20 to 94% and the temperature ranges from 10 to $220^{\circ}{\rm C}$. To stable alloys belongs Ti and its alloys with 3% Al + 2% V and with 4% Al + 2% V. No traces of corrosion were detected on microsections of these alloys either on the grain boundaries or on the surface of the samples. The increase of the weight during the test results obviously from the formation of an oxide film, which has a good adhesion with the base metal and is insoluble in ${\rm H}_2{\rm SO}_4$, ${\rm HNO}_3$ and HCl. Welded seams on Ti do not corrode. It is shown that $O_{\rm Cr}$ decreases slightly after corrosion tests but the

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THE MERCHANISH SHEET FAMILIES JOHN SHEET STORY

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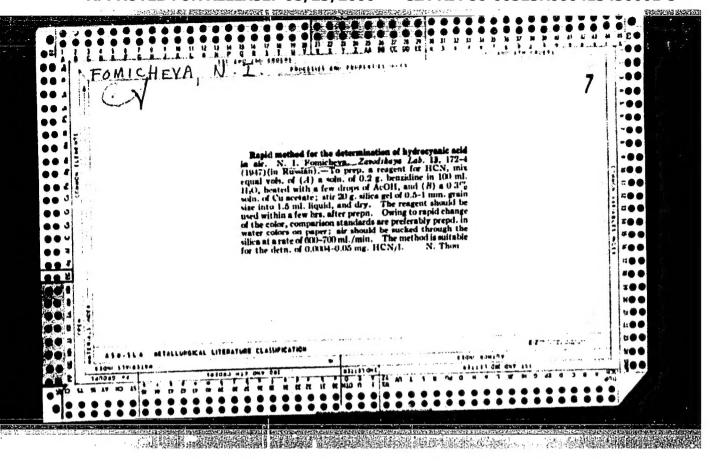
Application of titanium and its...

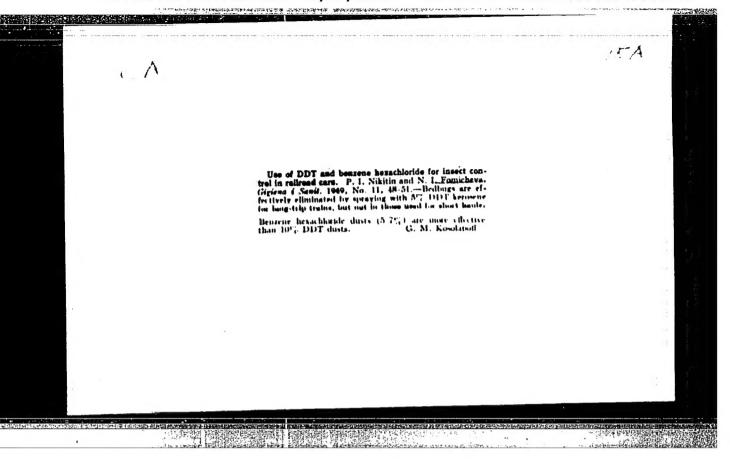
rupture takes place not along the welded seam. Microstructure investigations have shown that corrosion of unstable alloys has a "pitting" character and penetrates sometimes into a sample up to 20 mm deep. The corrosion of side surfaces has a "fibrous" character. As a characteristic feature it should be pointed out that during the first 10 - 40 hours the corrosion takes a slow course, and thereafter its rate increases sharply.

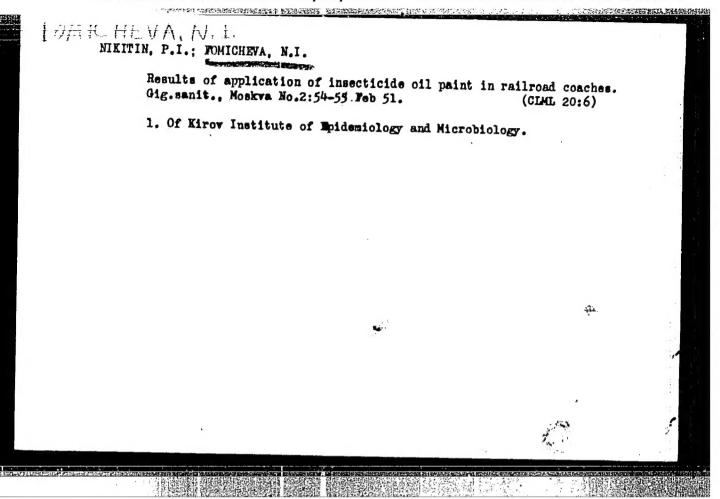
N. Sladkova

[Abstracter's note: Complete translation]

Card 2/2







FORICHEVA, N. I; HEL'HIKOVA, P. A.

Rapid determination of small quantities of dimethylaniline in air. Gig. sanit. Moskva no. 5:49-52 May 1952. (CLML 22:3)

THE RESERVE STRUCK STRUCK STRUCK STRUCKS STRUCK STR

1. Of the All-Union Scientific-Research Institute for the Protection of Labor, VTsSPS.

PONICHEVA, N.I.

Determination of small quantities of DDT on surfaces painted with oil paints and lacquers. Gig. sanit., Moskva no.12:51-52 Dec 1952.

1. Of the Central Scientific-Research Laboratory of Hygiene and Epidemiology of the Ministry of Hoge of Communication USSR, R.R. TARNSCRI

TRANSPORTER STREET STREET

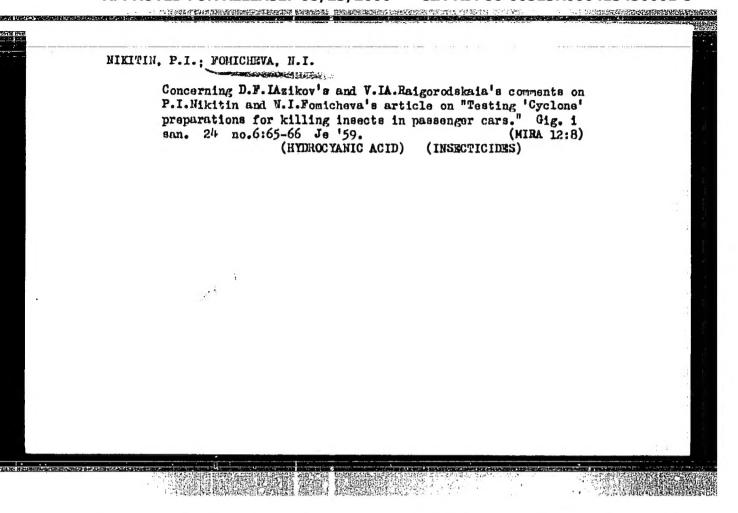
。 1. 1945年 1940年 北京的新兴和城市位置 西米斯 美国城市主席 新加速的建筑地址的1950年,其实的诗句子的文字,并是一个文字。

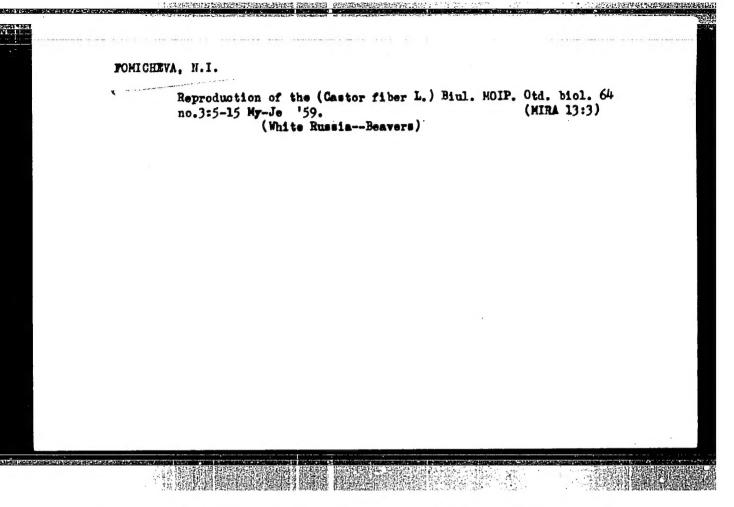
FOMICHEVA, N.I. kand biol nauk

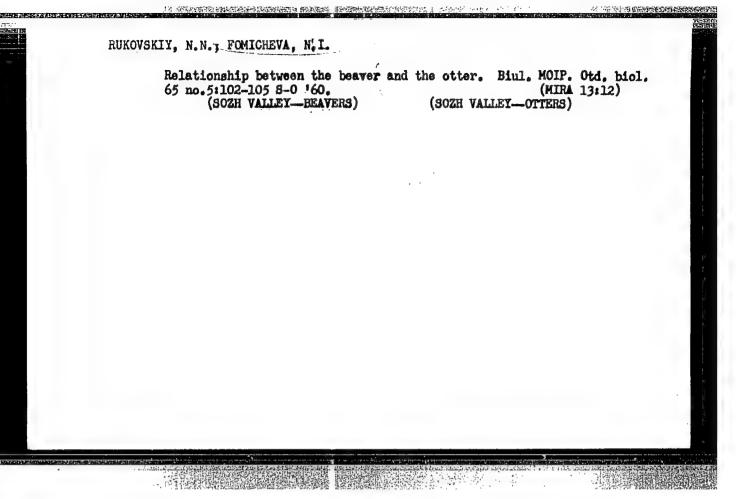
Determination of active chlorine on surfaces treated with chloramine solutions for disinfection. Gig. i san. 23 no.9178-81 S '58 (MIRA 11:11)

1. Iz TSentral'nov nauchno-issledovatel'skoy laboratorii gigiyeny i epidemiologii Ministerstva putey soobshcheniya SSSR. (CHIORAMINE.

determ. of active chlorine on surfaces treated with chloramine disinfect. (Rus))







NIKITIN, P.I.; LUNEVA, K.K.; FOMICHEVA, N.I. Disinfection of surfaces with small doses of disinfectants applied by means of pneumatic atomizers. Zhur.mikrobiol., epid. i immun. 33 no.8:30-34 Ag '62. (MIRA 15:10) 1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnoy gigiyeny Ministerstva putey soobshcheniya. (DISINFECTION AND DISINFECTANTS) (AEROSOIS)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"

PILIPCHUK, N.S., dotsent; FOMICHEVA, N.I.

Change in external respiration following lung resection in tuberculosis. Vrach delo no.2173-78 F*64 (MIRA 17:4)

1. Kafedra tuberkuleza Kiyevskogo meditsinskogo instituta.

.5

PULIFORNIK, N.S., doktor med. nunk; FOMICHEVA, N.I.

Role of pneumoperitoneum in resection of the lungs in tuberculosis.
Prob. tub. no.1:21-26 '65. (MIRA 18:12)

1. Kafedra tuberkuleza (zav. N.S. Pilipchuk) Kiyevskogo meditsinskogo instituta.

ACC NR: AP7003876

(N)

SOURCE CODE: UR/0133/67/000/001/0039/0041

AUTHOR: Fomicheva, N. P.; Klyuyev, M. M.; Topilin, V. V.; Tuchkevich, N. M.; Doronin, V. M.; Dzugutov, M. Ya.; Terekhov, K. I.; Mikhin, T. A.

ORG: none

TITLE: Electroslag remelting of EI481 chromium-manganese-nickel heat resistant steel

SOURCE: Stal', no. 1, 1967, 39-41

TOPIC TAGS: Achromium manganese nickel steel, heat resistant steel, steel melting, electroslag melting, steel composition, steel mechanical property/EI481 steel

ABSTRACT:

Cast EI481 high-alloy heat-resistant steel (0.34-0.40% C, 7.5-9.5% Mn, 11.5-13.5% E, 7.0-9.0% Ni, 1.1-1.4% Mo, 0.25-0.45% Nb, 1.3-1.6% V, 0.3-0.8% Si) was electroslag remelted under four different slags and tested for chemical composition, nonmetallic inclusions and mechanical properties. The best results were obtained with the use of standard or with 10% lime No. 4 slag of the CaF2-CaO system. In all cases, electroslag remelting changed only slightly the steel composition. It decreased the content of manganese by 0.04-0.20 abs.% and of vanadium by 0.08 abs.%; the sulfur content decreased by 20-40%, but no substantial decrease was observed in the hydrogen and oxygen contents. The electroslag remelting also decreased

Card 1/2

UDC: 669.187.26

ACC NR: AP7003870

the content of nonmetallic inclusions from 98.7 to 52.3·10⁻⁴% and resulted in more uniform distribution. No significant changes were observed in the mechanical properties of the electroslag remelted metal (all were above the technical requirements) but the anisotropy of the ductility characteristics decreased by 20—40%. In stress-rupture tests at 650C under a stress of 38 kg/mm², the steel remelted under No. 4 slag failed after 156 hr compared with 35 hr required for conventionally melted steel. Forged parts from electroslag remelted steel had a tensile strength of 112.0—104.0 kg/mm², a yield strength of 74.0—83.7 kg/mm², an elongation of 19.2—24.0%, a reduction of area of 31.2—43.9% and an impact toughness of 4.5—5.5 kg·m/cm². The corresponding figures for forgings of conventionally melted EI481 steel were 60 and 85 kg/mm², 15 and 20%, and 2.5 kg·m/cm². The electroslag remelting of EI481 steel can be recommended for increasing the service life of parts made from this steel. Orig. art. has: 2 tables.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002/ ATD PRESS: 5115

PARAMERATURES PROCESSES AND THE STATE OF THE PARAMETER SECURIFIES

Card 2/2

FOMICHEVA, N. V.

"Ivestigation of the Process of Strengthening Aluminum Alloys by the Method of Shot Peening." Sub 11 Jun 51, Moscow Order of Lenin Aviation Inst imeni Sergo Ordzhonikidze

Dissertations presented for science and engineering degrees in Moscow during 1951.

SC: Sum. No. 480, 9 May 55

S/190/62/004/004/010/019 B117/B138

5.7/00 |1.1010 AUTHORS:

Tsvetkov, V. N., Klenin, S. I., Frenkel', S. Ya., Fomicheva,

3.220

O. V., Zhuze, A. G.

TITLE:

Hydrodynamic properties of poly-\$-vinyl naphthalene macro-

molecules in benzene

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 4, no. 4, 1962, 540-545

TEXT: Diffusion constants, sedimentation coefficients and intrinsic viscosity of 10 fractions of poly- β -vinyl naphthalene (P- β -VN) in benzene were studied. The Mark - Kuhn - Houwink relations in this solvent were found to have the form D = $3.5 \cdot 10^{-4} \cdot \text{M}_{S,D}^{-0.57}$ for the diffusion coefficient, and $[\eta] = 6.6 \cdot 10^{-5} \cdot \text{M}_{S,D}^{0.71}$ for the intrinsic viscosity. The molecular weight $M_{S,D}$ was determined from Svedberg's equation. The hydrodynamic behavior of P- β -VN, which is determined by viscosity and diffusion, is completely normal and confirms the universal character of the empirical constant $A = \frac{\eta_{o}}{\sigma_{o}} D(M[\gamma])^{1/3} T^{-1}.$ It's mean value was $(3.1 \pm 0.1) \cdot 10^{-10} erg/degree.$ This Card 1/3

S/190/62/004/004/010/019 B117/B138

Hydrodynamic properties of ...

corresponded to the value of this constant determined for other polymers and again confirmed the usual correlation of hydrodynamic properties of P-p-VN during translation and rotation. The estimate of the relation between dimensions of P-B-VN molecules in benzene and their dimensions during free rotation $(\overline{h}^2)_0^{1/2}(\overline{h}^2)_1^{1/2}$, which characterizes the hardness of the molecular structure, made by means of the previously determined swelling parameter are undisturbed dimensions of the macromolecule). This amount, which slightly; exceeds the corresponding values for most of the linear polymers, showed (e.g. in comparison with polystyrene) that the substitution of the benzene ring by naphthalene increases the thermodynamic hardness of the macromolecule. It was found that the dependence of the diffusion coefficient D on the concentration of one of the P-2-VN fractions with M = $3.5 \cdot 10^6$ is . only slight in CCL and more marked in benzens. This confirms that the dependence on the concentration is mainly determined by the thermodynamic interaction between polymer and solvent. (Ref. 13: V. N. Tsvetkov, S. I. Card 2/3

S/190/62/004/004/010/019 B117/B138

Hydrodynamic properties of ...

Klenin, Zh. tekhn. fiziki, 29, 1393, 1959). The quantity A = η₀D(M[η]) ^{1/3}T⁻¹, calculated for the fraction investigation in CCl₄, amounted to 3.50·10⁻¹⁰ erg/degree, and was thus close to the mean value of the constant A. There are 4 figures and 2 tables. Two English-language references are: P. Debye, A. Bueche, J. Chem. Phys., 16, 573, 1948; P. J. Flory, Principles of Polym. Chem., New York, 1953.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High-molecular Compounds AS USSR)

SUBMITTED: March 10, 1961

Card 3/3

Readers' conference at the Ivanovo Peat Machinery Plant. Stroi.
i dor. mash. 6 no.5:39 My *61.
(Machinery industry--Periodicals)

Interrelation between the orientating reflex and analysor interaction. Vest. Mosk. un. Ser. 6: Biol,, pochv. 16 no.1:3-10 Ja-F '61. (MIRA 14:4) 1. Kafedra fiziologii vysshey nervnoy deyatelinsti, elektrofiziologicheskaya, laboratoriya TSentralinogo nauchno-issledovateliskogo instituta sudebnoy psikhiatrii imeni V.P.Serbskogo. (SENSES AND SENSATION)

ZHDANOV, D.A. (Moskva, A-47, 5-ya Tverskaya-Yamskaya, ul.5, kv.12); FOMICHEVA, T.D.

Andreas Vesalius and his painted portrait at the Hermitage Museum. Arkh. anat., gist. i embr. 46 no.2:94-108 F *64. (MIRA 17:12)

1. Kafedra anatomii (zav. - chlen-korrespondent AMN SSSR prof. D.A. Zhdanov) l-go Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova i otdel zapadno-yevropeyskogo iskusstva Gosudarstvennogo Ermitazha v Leningrad. Adres Fomichevoy: Leningrad, Gosudarstvennyy Ermitazh, Otdel zapadnoyevropeyskogo iskusstva.

Betermination of the micropantities of modified ions Metod. anal.

khim. reak. 1 prepar. no.5/6:110-116 163.

(MIRA 17:9)

1. Vsesoyuanyv mauchno-issledovatelloki, intitut khimicheekikh reaktivov osobo chistykh khimicheekika vavhonestv.

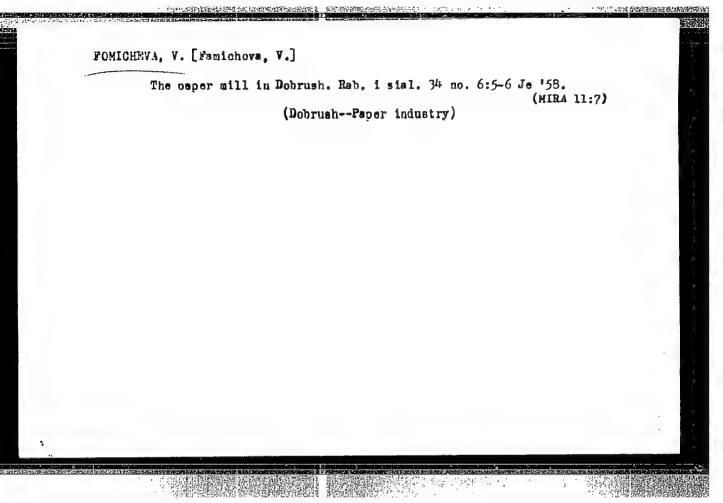
FOMICHEVA, T.V.

Development of generalization and abstraction in the process of mastering the concepts of "subject" and "predicate." Vop.psikhol. 6 no.3:69-78 Mf-Je '60. (MIRA 14:5)

1. Kafedra pedagogiki i psikhologii Bdryatskogo pedagogicheskogo instituta.

(Children-Language)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"



(N)SOURCE CODE: UR/0186/65/007/006/0723/0729 ACC NR AP6014724 37 Vorob'yev, A. M.; Fomicheva, V. I. AUTHOR: B ORG: none TITLE: Analytical determination of americium, plutonium, and uranium using AMP anion exchange resin SOURCE: Radiokhimiya, v. 7, no. 6, 1965, 728-729 TOPIC TAGS: americium, plutonium, uranium, quantitative analysis, ion exchange resin ABSTRACT: The method described for the separation of emericium, plutonium, and uranium using AMP ion exchange resin is based on the difference in the degree of sorption of ions of uranium (VI), plutonium (IV) and (III), and americium (III) from hydrochloric acid of different concentrations. The column used was a glass tube 6 cm long and 5 mm in diameter, with a drawn out end. In the determinations, a small amount of sulfuric acid does not interfere with the separation, but nitric acid must be eliminated, since it can promote the reduction of plutonium to the trivalent state. To this end, the solution being analyzed was evaporated to dryness, 10 ml of concentrated HCl was added to the UDC: 543.541.3:546.791:546.799.4-5 Card 1/2

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VASHKOV, V.I.; SHNAYDER, Ye.V.; BRIKMAN, L.I.; ZAKOLODKINA, V.I.; CHUBKOVA, A.I.; ALIMBARASHVILI, TS.N.; BABAYANTS, G.A.; BERIANIDZE, I.Sh.; ZAKHAROV, P.V.; ISAAKYAN, A.G.; LEVIYEV, P.Ya.; MARTINSON, M.E.; MRACHKOVSKIY, S.K.; NAYDICH, N.L.; NESTERVODSKAYA, Ye.M.; RAZMANOVA, Ye.M.; SAVINA, K.V.; SERJEYEVA, A.Ye.; SOKOLOVA, M.Ye.; FOMICHEVA, V.S.; CHERNYSHOVA, V.A.; SHUMILOVA, T.V.

Sensitivity to DDT of houseflies in various climatic zones of the USSR. Zhur.mikrobiol., epid.i immun. 33 no.8:20-24 Ag '62.
(MIRA 15:10)

1. Iz TSentral'nogo nauchno-issledovatel'skogo dezinfektsionnogo instituta.

(FLIES-EXTERMINATION) (DDT)

VASHKOV, V.I.; SHNAYDEK, Ye.V.; ZAKOLODKINA, V.I.; ERIKMAN, L.I.; CHUEKOVA, A.I.

ALIMBARASHVILI, TS.N.; BABAYANTS, G.A.; BERIANIDZE, I. Sh.;

ZAKHAROV, P.V.; ISAAKYAN, A.G.; LEVIYEV, P. Ya.; MARTINSON, M.E.;

MRACHKOVSKIE, S.K.; NAYDICH, N.L.; NESTERVODSKAYA, Ye.M.;

RAZMANOVA, Ye.M.; SAVINA, K.V.; SERGEYEVA, A.V.; SOKOLOVA, M.Ye.;

FOMICHEVA, V.S.; CHERNYSHEVA, V.A.; SHUMILOVA, T.V.

Sensitivity of houseflies to chlorophos prior to its use.

Zh. mikrobiol. 40 no.723-7 Jl.63 (MIRA 17:1)

FOMICHEVA, V. M.:

FOMICHEVA, V. M.: "Pathological anatomy and some problems of the pathogenesis of fat embolism". Ivanovo, 1955. Ivanovo State Medical Inst. (Dissertation for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis' No. 51, 10 December 1955

SOV/138-59-4-2/26

AUTHORS: Kartsev, V.N. and Fomicheva, V.N.

结节: 19 世際型中國的被領域的對於實際。 译明斯斯德阿斯

TITLE: Properties of Siloxane Rubber Vulcanisates Containing Vinyl Groups (SKTV). (Svoystva sulkanizatov siloksanovykh kauchukov, soderzhabhchikh vinil'nyye gruppy (SKTV))

PERIODICAL: Kauchuk i Rezina, 1959, Nr 4, pp 3-7 (USSR)

ABSTRACT: Dimethyl siloxane rubber and its vulcanisates are widely used in industry since they possess high thermal stability. In the Soviet Union siloxane rubbers containing vinyl groups were first manufactured in 1956. The present paper describes experiments on the vulcanisation capacity of rubbers containing 1 and 3 mol. % vinyl-ethyl siloxane chains in the dimethyl siloxane polymer chain (SKTV-1 and SKTV-3). Thier properties are given in Table 1. This type of rubber can be vulcanised with sulphur in the presence of diphenyl guanidine (DFG), pentaldehyde diamine, cyclohexylethylamine salts of cyclohexyldithiocarbamic acid (Vulkatsit 774), dimethyl diphenyl thiuram disulphide (Vulkatsit 1), triethylene tetramine (TETA), and some aldehyde diamines and also with tetramethyl thiuram disulphide (Tiuram). Vulcanisation proceeded at 160°C in the presence of all the above-mentioned accelerators.

SOV/138-59-4-2/26

Properties of Siloxane Rubber Vulcanisates Containing Vinyl Groups (SKTV)

except TETA. Using TETA as an accelerator vulcanisation could be carried out in thirty minutes at 140°C (Table 2). Mixtures of SKTV-3 could be vulcanised at a faster rate than SKTV-1 mixtures. Changes in the physico-mechanical properties of vulcanisates, depending on the period of vulcanisation when using thiuram and sulphur, are shown in Figure 1. Tests on the thermal stability of SKTV-3 and SKTV-1 at 175°, 200°, and 250°C showed that the thermal stability of SKTV-1, SKTV-3 and SKT rubbers was unsatisfactory (Figures 2 and 3). The SKTV-1 rubbers maintained their elasticity at 175°C for 50 days, at 200°C for 30 to 40 days and at 250°C for 4 days. Thick-walled 28 x 32 mm cylinders made from standard mixtures SKT and SKTV-1, and containing powdered silica gel, were also tested. In this case benzoyl peroxide was used as a vulcanisation accelerator. Vulcanisation was carried out for 15 minutes at 150°C. The vulcanised cylinders were subjected to further heat treatment (in a thermostat) for 6 hours at 200°C. The SKT vulcanisates had macro-pores, the SKTV-1 vulcanisate had a micro-porous structure (Figure 4). The vinyl groups in the siloxane polymer facilitate the vulcanisation of thick-walled rubber articles. It was also found that with an

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Properties of Siloxane "ubber Vulcanisates Containing Vinyl Groups (SKTV)

> increasing number of vinyl groups in the chain the frost resistance of the polymer increases (Table 3). The swelling resistance of siloxane rubber vulcanisates, due to various vulcanisation agents, is given in Table 4. The amount of residual deformation can be decreased by modifying the vulcanisation group and by increasing the time of processing in the thermostat (Table 5). Vinyl-containing siloxane SKTV rubbers are good insulating agents. The dielectric characteristics of vulcanisates SKTV-1 up to the time of swelling, and after swelling for 14 days in water, are given in Table 6. It is also possible to prepare vulcanisates from SKTV-1 by using channel black in the presence of sulphur and TETA. The strength of such vulcanisates, after vulcanisation for 60 minutes at 150°C, equalled 53kg/cm, and the relative elongation equalled 827%. Their thermal stability was unsatisfactory. The elastic properties of vulcanisates were considerably poorer when the period of ageing at 175°C and 150°C was reduced by 50%. There are 4 figures, 6 tables and 11 references, 9 of which are English and 2 Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka im. S. V. lebedeva (The S. V. lebedev All-Union Card 3/3 Scientific-research Institute for Synthetic Rubber)

FOMICHEVA, V.M.

Pathomorphological changes in the gastric nervous system due to polypous and cancerous lesions. Sbor. nauch. trud. Ivan. gos. med. inst. no.25:92-95 '62. (MIRA 17:5)

l. Iz kafedry gistologii i embriologii (zav. - prof. Ye.A. Kirillov) Ivanovskogo gosudarstvennogo moditsinskogo instituta (rektor - dotsent Ya.M. Romanov).

FOLICHEVA, Ye. V.

"Fracture of the External Mose." Cand Med Sci, Central Inst for the Advanced Training of Physicians, Min Health USSA, Moscow, 1955. (KL, No. 17, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

DMITRIYEVA, V.S., kand med nauk; FOMICHEVA, Ye.U., kand med nauk

Work of the Maxillofacial Department of the Central Institute of Traumatology and Orthopedia of the Ministry of Public Health of the U.S.S.R. in 1954-1955. Stomatologia 36 no.1:77-78 Ja-F 157. (FACE--SURGERY) (MIRA 10:1)

FOMICHEVA, Ye.U., kand.med.nauk

Plastic surgery of the soft palate involving a pedicle flap from the posterior pharyngeal wall. Stomatologia 37 no.4:39-43 Jl-Ag '58 (HIRA 11:9)

1. Iz chelyustno-lisevogo otdeleniya (zav. - prof. F.M. Khitrov)
TSentral'nogo instituta travmatologii i ortopedii (dir. prof. N.N.
Prirov).

(PALATE, CLEFT)

FOMICHEVA, Yo.U. kand.med.nauk

Changes in the masal cavity and pharynx in congenital cleft palate and their influence on the results of surgical treatment of the defect. Stomatologiia 38 no.5:26-28 S-0 *59. (MIRA 13:3)

1. Is kafedry chelyustno-litsevoy khirurgii i stomatologii (zaveduyushchiy - prof. N.M. Mikhel'skon) TSentral'nogo instituta usovershenstvovaniya vrachey (direktor M.D. Kovrigina). (NASOPHARYNX) (PALATE, CLEFT)

FOMICHEVA, Ye.U., kand.med.nauk

Operative treatment of fractures of the mandible. Khirurgiia no.9:69-72 '61. (MIRA 15:5)

1. Iz chelyustno-litsevogo otdeleniya (zav. - prof. F.M. Khitrov)
TSentral'nogo instituta travmatologii i ortopedii (dir. - deystvitel'nyy chlen AMN SSSR prof. N.N. Priorov [deceased]) Ministerstva
zdravookhraneniya SSSR.

(JAWS--FRACTURE)

Figure 3. Year is such and a construct particular of the respiction using Filator's graft. Malescritic AC no.000-20 in (in Re 1911)

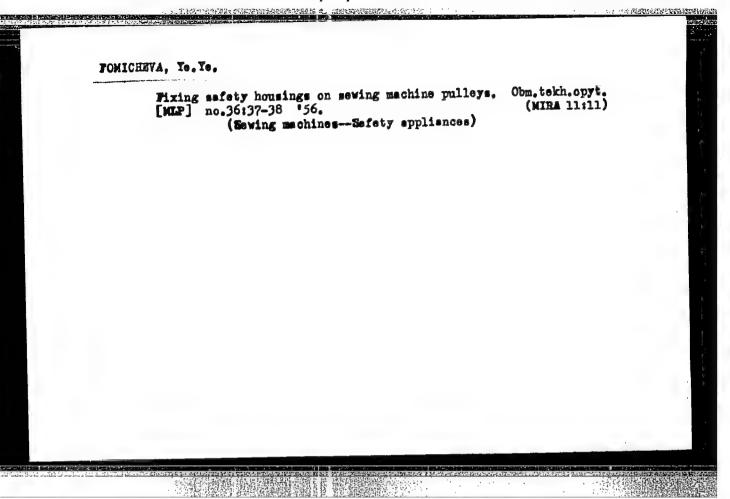
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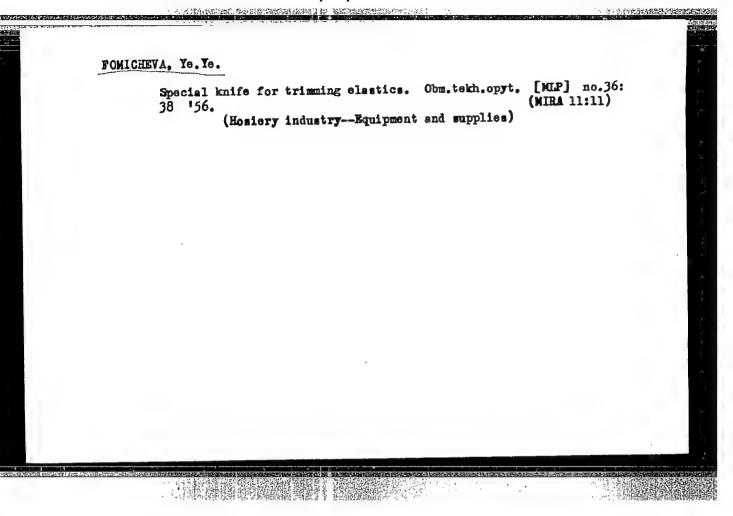
FOMICHEVA, Ye.U., kand. med. nauk

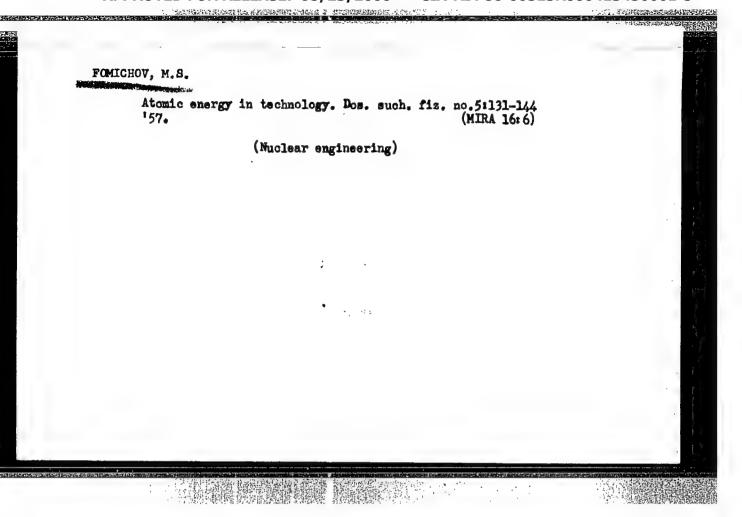
Results of surgical treatment of cicatricial stenosis of the pharynx following burns by F.M. Khitrov's method. Vest. khir.

83 no.11:22-28 N 164. (MIRA 18:6)

1. Iz chelyustno-litsevogo otdeleniya ($z_{\ell}v_{\bullet}$ - prof. F.M. Khitrov) TSentral'nogo instituta travmatologii i ortopedil.

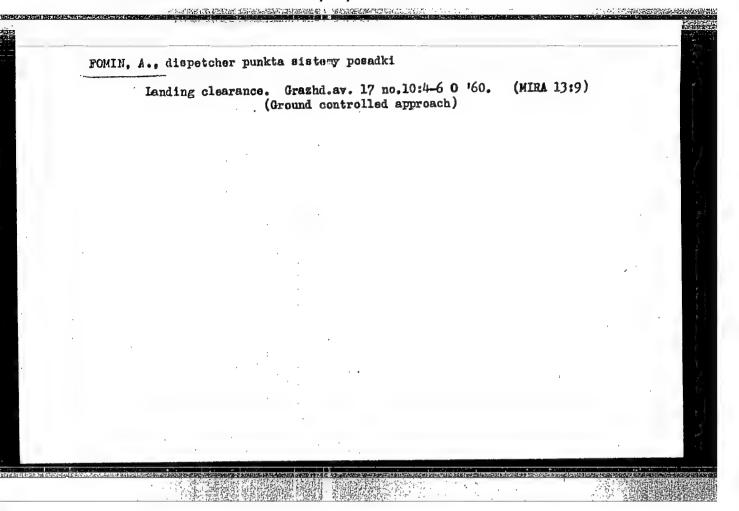


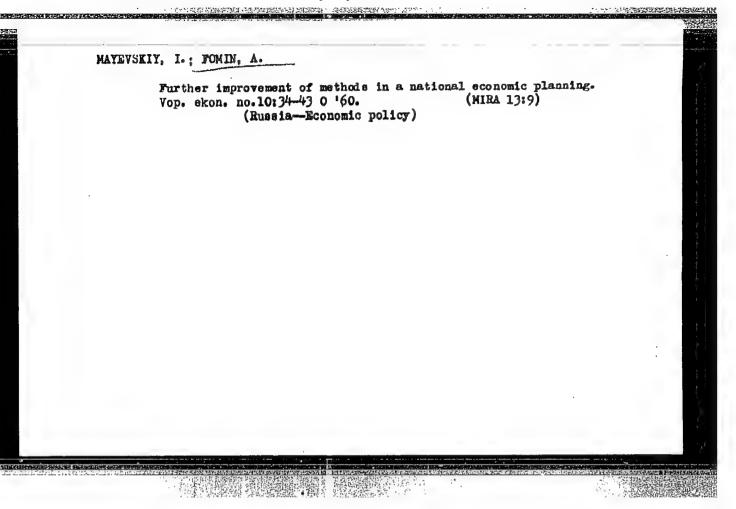




FOMIL', L., inzh.

Structural designs for technical piping at industrial enterprises with standardization between branches of industry. Prom. stroi. i inzh. soor. 4 no.1:32-37 Ja-F 163. (MIRA 16:3) (Pipelines—Buildings and structures)(Precast concrete construction)





ANDEREG, Georgiy Ferdinandovich; BARBANEL', Solomon Rafailovich; FOMIN, A., rad.; PEREGUDOVA, M., tekhn. red.

[Motion-picture theater equipment] Oborudovanie kinoteatrov. Moskva, Iskusstvo, 1962. 483 p. (MIRA 16:4) (Motion-picture theaters--Equipment and supplies)

MAYEVSKIY, I.; FOMIN, A.

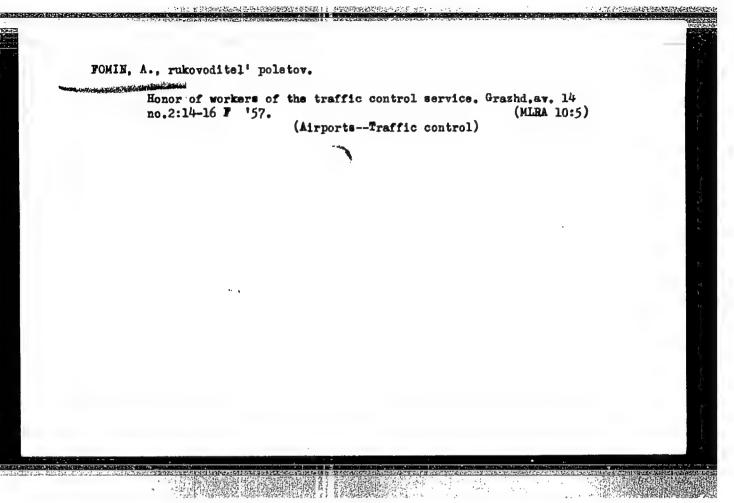
Several problems of improving national economic planning. Vop. ekon. no.12:38-45 D 162. (MIRA 16:1)

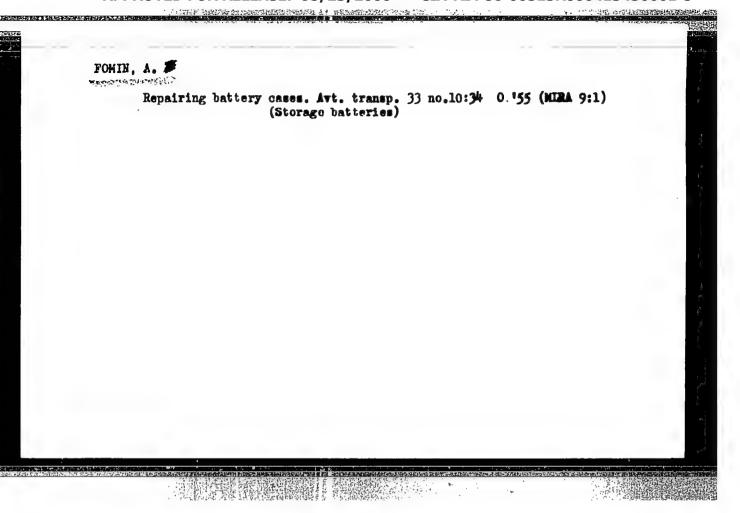
(Russia-Economic policy)

PANFILOV, Nikolay Dement'yevich; FOMIN, A., -red.; GORINA, V.,
tekhn. red.

[Sound in motion pictures] Zvuk v fil'me. Moskva, Iskusstvo,
1963. 117 p.
(Sound--Recording and reproducing)

FCMIH, A.					
Dairying				-	
Doubling the	yeidl of milk fro	om cows Kolkh.	proizv. 12 No.	2, 1952	
Monthly List	of Russian Acce	essions, Librar	of Congress,	June	195 \$ } Uncl.
The Party place of the State of State o					



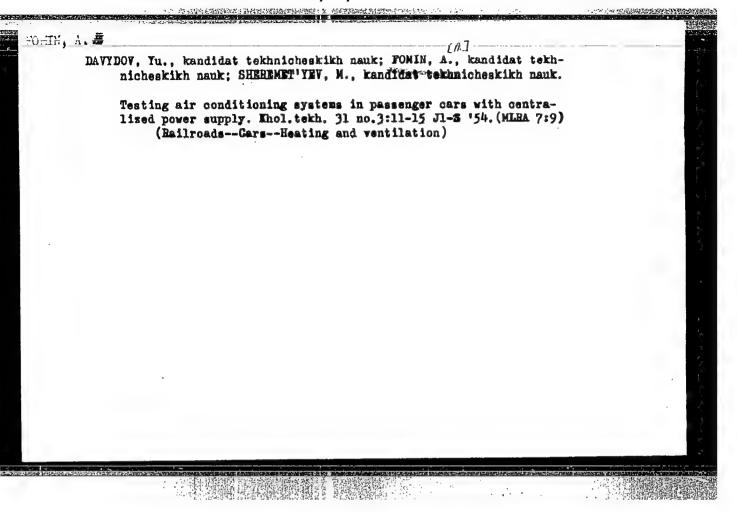


FOMIN, A .: XLEYMENOV, I.

Refrigerator Cars

Kleymenov's all-metal constant temperature railroad car. Khol. tekh. 29 No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED



SOV/66-59-3-5/31

AUTHORS:

N.Il'ina, and Fomin, A. Engineers.

TITLE:

Refrigerating Machines Operating on Freon-22

PERTODICAL:

Kholodil'naya tekhnika, 1959, Nr 3, pp 21-25, (USSR)

ABSTRACT:

Investigations conducted by the Central Designing Bureau of Refrigeration Machine Building and information from foreign manufacturing sources have shown that refrigerating machines operating on Freon-22 at a boiling point of -70° to -80° C should be of the two-step type. Odesskiy zaved imeni Stalina (Odessa Plant imeni Stalin) has started serial production of the first two-step refrigerating machine, the FDS-1, operating on Freon-22. In 1958 Moskovskiy zaved "Kompressor" (Moscow Plant "Compressor") produced the machine FDS-5. Both machines are intended for testing purposes with a temperature in the cold chamber of -60° to -70°C, operating at a boiling temperature of -50° to -80°C. The FDS-1 consists of 2 compressors driven by one electric motor, and of 2 heat exchangers, one gas and one liquid, and is equipped with an automatic control system. The capacity of the FDS-1 is 1,000 kcal-hr and that of the FDS-5 is 5,000 kcal/hr. The FDS-5 consists of 2 compressors with separate driving engines, a condenser with heat exchanger, a control device and an evaporator. Each compressor is equipped with an oil cooler. The article gives a complete list of

Card 1/2

Refrigerating Machines Operating on Freon-22

SOV/66-59-3-5/31

technical data pertaining to both types of compressors. In his conclusion the author concedes the high merits of the freon compressors, which however do not rule out the use of ammonia compressors, which in a capacity of 30,000 to 50,000 kcal/hr and at a boiling point of -50°C maintain their place in industrial installations, where toxicity does not enter into consideration: otherwise, as for instance in air conditioning installations the use of Freon-22 machines is appropriate. The same applies to laboratory and experimental installations requiring a refrigeration temperature of -70°C.

There are 1 photo, 4 graphs, 1 table and 1 diagram.

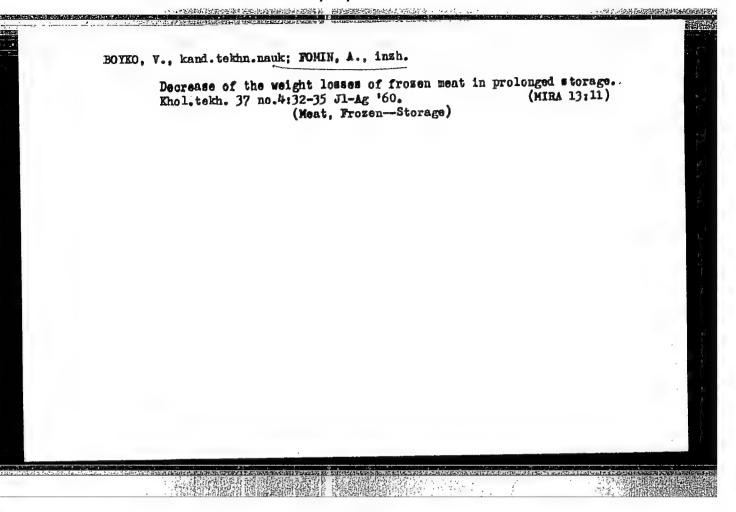
ASSOCIATION:

TsKB kholodil'nogo mashinostroyeniya(Central Designing Bureau of Refrigeration Machine Building)(N. Il'ina); Proyektnyy institut (Designing Institute) (A. Fomin.).

Card 2/2

BOYKO, V., kand.tekhn.nauk; FCMIN, A., inzh.

Changes in the quality of frozen ment during prolonged storage.
Khol.tekh. 37 no.1:37-38 Ja-F '60. (MIRA 13:5)
(Meat, Frozen-Storage)



BOL'SHAKOV, A.; FOMIN, A.

Investigating the moisture binding capacity of pork in brine curing. Mias. ind. SSSR 33 no.4:56-59 '62. (MIRA 17:2)

1. Woskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

NALETOV, N., prof.; BOL'SHAKOV, A., dotsent; SIMAKOV, V.; FOMIN, A.

Histological changes in meat occurring during the various autolysis stages in corning. Miss.ind. SSSR 33 [i.e.34] no.2:19-21 163. (MIRA 16:4)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti.

(Meat, Salt-Testing)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"

FOMIN, A., inzh.

Repairing end plates of superchargers of the IAAZ-204 engine.

Avt.transp. 40 no.9156 S '62. (MIRA 15:9)

(Motor vehicles—Engines—Superchargers)

SOV/122-59-2-27/34

AUTHOR:

Fomin, A.A., Candidate of Technical Sciences, Docent

TITLE:

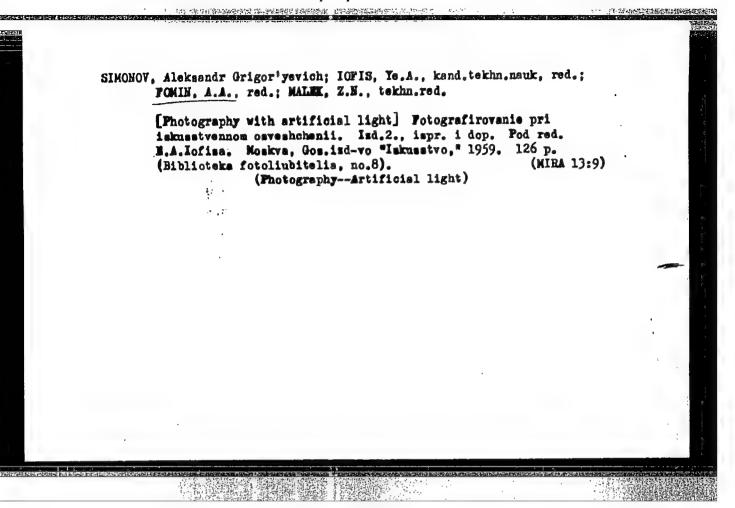
A Nomogram for the Profitability of Special Machine Tool Fixtures (Nomogramma dlya ekonomicheskogo obosnovaniya primeneniya spetsial'nykh stanochnykh prisposobleniy)

PERIODICAL: Vestnik Mashinostroyeniya, 1959 Nr 2, pp 74-75 (USSR)

ABSTRACT:

On the basis of derivations by F.G.Petrov (Vestnik Mashinostroyeniya, 1958, Nr 2) Eq (1), (2) and (3) give the minimum number of components per annum to make a given tooling cost profitable, the maximum allowable cost of tooling and the annual cost factor for a given fixture, respectively. A nomogram is reproduced to simplify computations based on these formulae. Numerical examples are given. There are 3 Soviet references.

Card 1/1



NOGIN, Pavel Alekseyevich; IOFIS, Ye.A., kand. tekhn. nauk, red.; FOMIN, A.A., red.; SUSHKEVICH, V.I., tekhn. red.

[Photographic lenses] Fotograficheskii obwektiv. Pod red. E.A. Iofisa. Moskva, Gos.izd-vo "Iskusstvo," 1961. 124 p. (Biblioteka fotoliubitelia, no.22) (MIRA 15:2)

VENDROVSKIY, Karl Valerianovich; ZHUTOVSKIY, Boris Iosifovich; IOFIS, Ye.A., kand. tekhm. nauk, red.; FOMIN, A.A., red.; SUSHKEVICH, V.I., tekhm. red.

[For the amateur photographer-tourist] Fotoliubiteliuturistu. Pod red. E.A.Iofisa. Moskva, Gos. izd-vo "Iskusstvo," 1961. 99 p. (Biblioteka fotoliubitelia, no.21) (MIRA 15:3)

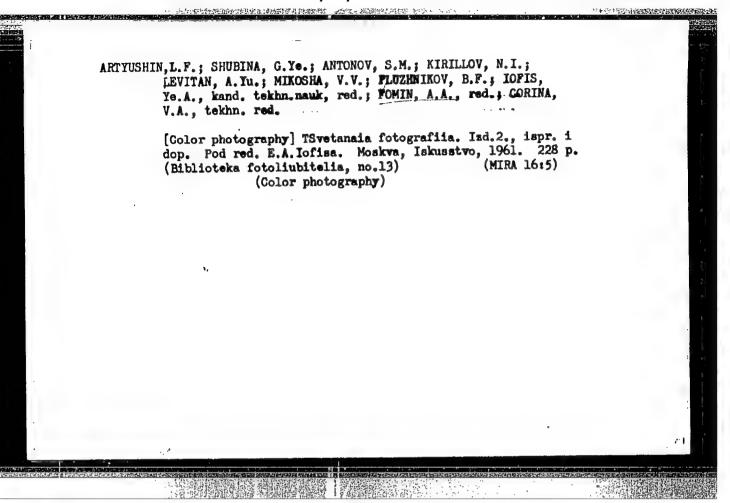
(Photography)

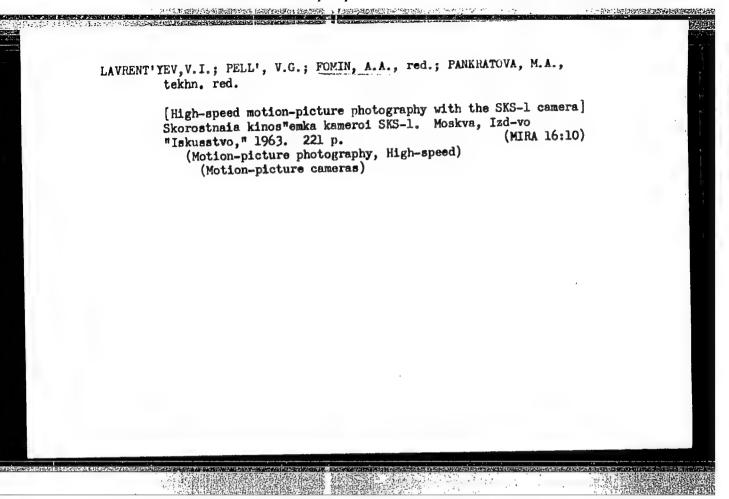
BUNIMOVICH, David Zakharovich; IOFIS, Ye.A., kand. tekhn. nauk, red.;
FOMIN, A.A., red.; MALEK, Z.N., tekhn. red.

[Selecting a camera]Vybor fotoapparata. Pod red. E.A.Iofisa.
Moskva, Izd-vo "Iskusstvo," 1962. 127 p. (Biblioteka fotoliubitelia, no.28)

(Cameras)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"





FOMIN, A.A.

Problem of dosage in the use of ionizing radiations for sterilization. Med.rad. no.9:74-80 161. (MIRA 15:1)

1. Iz kafedry radiatsionnoy gigiyeny TSentral nogo instituta usovershanstvovaniya vrachey.

(RADIATION—DOSAGE) (RADIATION STERILIZATION)

FOMIN, A.A., aspirant

Change in the chemical indices of dietary fats under the action of ionizing radiations. Gig. i san. 27 no.3:34-39 Mr 162. (MI A 15:4)

1. Iz kafedry radiatsionnoy gigiyeny TSentral nogo instituta usovershenstvovaniya vrachey, Moskva.

(FAT) (RADIATION—PHYSIOLOGICAL EFFECT)

CZ/4-60-3-21/44

AUTHOR:

Fomin, A.A.

TITLE:

The Tasks of the All-Union Institute of Scientific and Technical Information in the Development of Soviet Science and Engineering.

PERIODICAL:

Nová Technika, 1960, No. 3, pp. 131 - 133

ABSTRACT: This is an abridged translation of an article, originally published in a Soviet periodical, entitled in Russian "All-Union Institute of Scientific and Technical Information and Its Tasks". The number of Soviet scientific institutes is about 3,000, the number of scientists about 280,000. The All-Union Institute of Scientific and Technical Information (VINITI) at the State Scientific-Technical Committee of the Council of Ministers of the USSR and the AN USSR was established in 1952. Thirteen series of periodicals containing abstracts are published; 559,000 abstracts, 44,000 of which treated patents, were published in 1958. About 8,000 abstracts describing machines are published monthly; 12,250 foreign periodicals are abstracted. An express information service is engaged in publishing the most current scientific and technical news from abroad; 49 technical and scientific branches are treated. Monographies are also published on special

Card 1/2

CZ/4-60-3-21/44

The Tasks of the All-Union Institute of Scientific and Technical Information in the Development of Soviet Science and Engineering.

subjects. An independent translation department is attached to the VINITI. A Coteam of about 20,000 experts is employed by the VINITI. Data on future publications, on technical equipment, like selectors, microphotographic reproductions etc, used by this Institute follow. There are 2 Soviet references.

Card 2/2

MICHAJLOW, A.I. [Mikhaylov, A.I.]; FOMIN, A.A.

Education of specialists for scientific and technical information in the Soviet Union, Przegl techn 84 no.45:4 10 N '63.

1. Vsesoyuznyy institut nauchnoy i tekhnicheskey informatsii.

DORENSKIY, Leonid Mikhaylovich; IOFIS, Ye.A., kand.tekhm.nauk,red.;
FOMIN, A.A., red.; PERECUDOVA, M.T., tekhm. red.

[Dynamism of the photographic image]Dinamichmost' fotokadra.
Pod rod. E.A.Iofisa. Moskva, Izd-vo "Iskusstvo," 1962. 143 p.
illus. (Biblioteka fotoliubitelia, no.27) (MIRA 15:9)

(Photography of sports)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5"

YAKOVLEV, Mikhail Fedorovich; IOFIS, Ye.A., kand. tekhn. nauk, red.;
FOMIN, A.A., red.; MALEK, Z.N., tekhn. red.

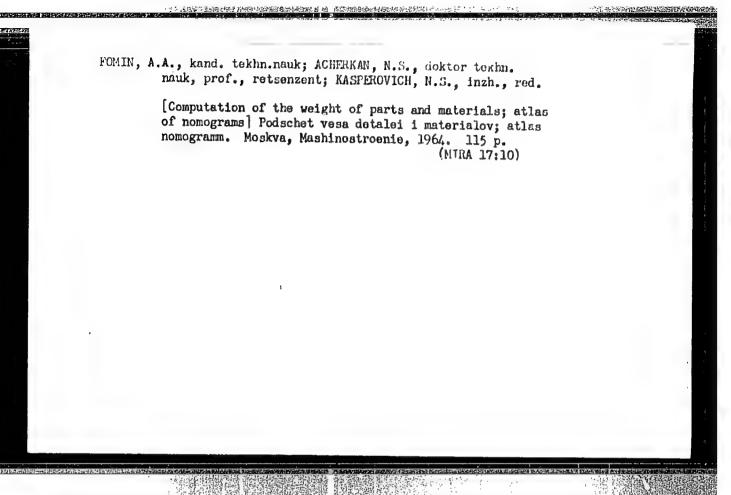
[Repair of cameras]Remont fotoapparatov. Pod red. E.A.Iofisa.
Moskva, Iskusstvo, 1962. 191 p. (Biblioteka fotoliubitelia,
no.29)

(Cameras—Maintenance and repair)

SAZHIN, Leonid Ivanovich; FOMIN, A.A., red.; REZNIK, A.L., tekhn. red.

1、19人中心比較的研究。

[Electric power supply of stationary motion-picture projectors] Elektropitanie statsionarnykh kinoustanovok. Izd.2., perer. i dop. Moskva, "Iskusstvo," 1963. 282 p. (MIRA 17:3)



FOMIN, A.A.; FEDOROV, N.A.; KASATKIN, Yu.N.

Quantitative determination of fatty acids by distributive paper chromatography. Vop. med. khim. 9 no.1:76-79 Ja-F '63. (MIRA 17:6)

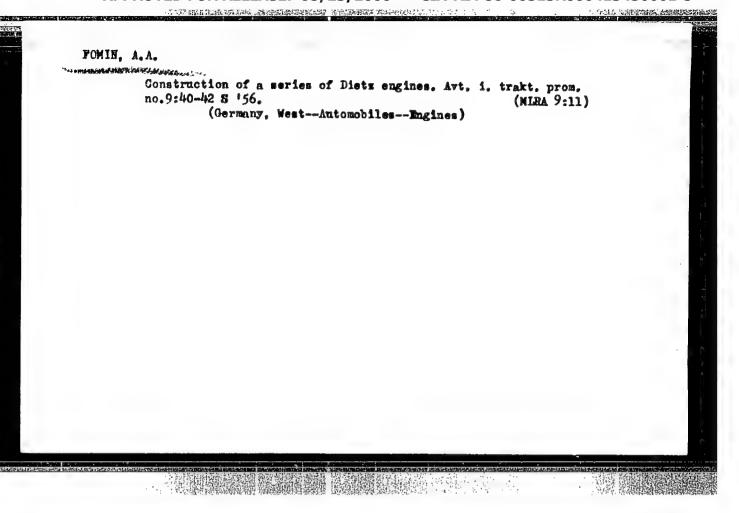
1. Kafedra radiatsionnoy gigiyeny TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

DONSKOY, Aleksandr Vasil yevich, dr. tekhn. nauk, prof.; FOMIN, Anatoliy Andreyevich, inzh.

· "一句可以可以知识的。但可可能的知识的知识,可是可能的不是

Calculation of parameters and pondermotive forces of a system of turns inductively coupled with a sphere. Izv. vys. ucheb. zav. elektromekh. 7 no.4*511-514 *64 (MIRA 17*7)

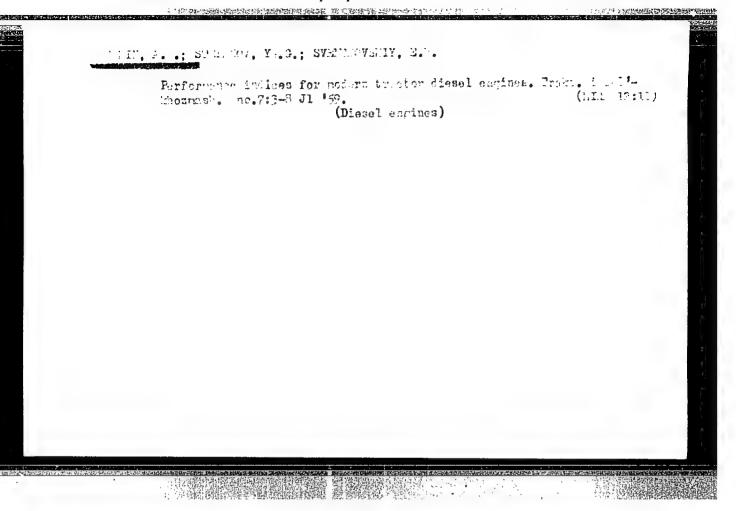
1. Kafedra elektrooborudovaniya promyshlennosti predprivatiy Leningradskogo politekhmicheskogo instituta (for Donskoy) 2. Leningradskiy institut tokov vysokoy chastoty (for Fomin).



"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5

Ways of developing tractor engines. Trakt.i sel'khoznash. no.6:
1-4 Je '59. (Tractors-Engines)

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5



FOMIN, A.A.; STEPANOV, Ye.G.; SYENTKOVSKIY, A.R.

Modification of SMD diesel engines for tractors. Trakt. 1 sel'khosmash. no.11:6-9 N '59. (MIRA 19:3)

1. Nauchno-issledovatel'skiy avtotraktornyy institut. (Diesel engines)

FOMIN, A.A., kand.tekhn.nauk

Momogram for calculations in the specialization of classification yards. Zhel.dor.transp. 41 no.12:46-47 D *59.

(MIRA 13:4)

" CONTRACTOR OF THE SERVICE OF THE S

(Railroads-Hump yards)

SOKOLOV, Ippolit Vasil'yevich; KONOPLEV, B.N., red.; FOMIN, A.A., red.; CHICHERIN, A.W., tekhn.red.

[History of the invention of motion pictures] Istoria izobreteniis kinematografa. Pod obshchei red. B.N.Konopleva. Moskva, Gos.izd-vo "Iskusstvo," 1960. 193 p.

(MIRA 14:4)

(Motion pictures)

KOMAROV, S.G.; KITOV, A.N., inzh.; DOROFEYEV, V.G.; SHEREMET YEV, M.A.; FOMIH, A.A.; KOSAREV, A.A.; SARANTSEV, Yu.S., red.; VERINA, G.P., tekhn. red.

THE SERVICE SERVICES OF SERVICES SERVICES SERVICES

[Handbook for the repair of passenger cars] Spravochnik po remontu passazhirskikh vagonov. Moskva, Vses.izdatel'skopoligr.ob"edinenie M-va putei soobshcheniis, 1960. 631 p.
(MIRA 13:6)

(Railroads--Passenger cars--Maintenance and repair)

CIA-RDP86-00513R000413430001-5" APPROVED FOR RELEASE: 08/23/2000

GORELOVA, Gertruda Isaakovna; REMIZOV, Viktor Ivanovich; UKHIN, Pavel Nikolayevich; FUMIN, A.A., red.; REZNIK, A.A., tekhn. red.

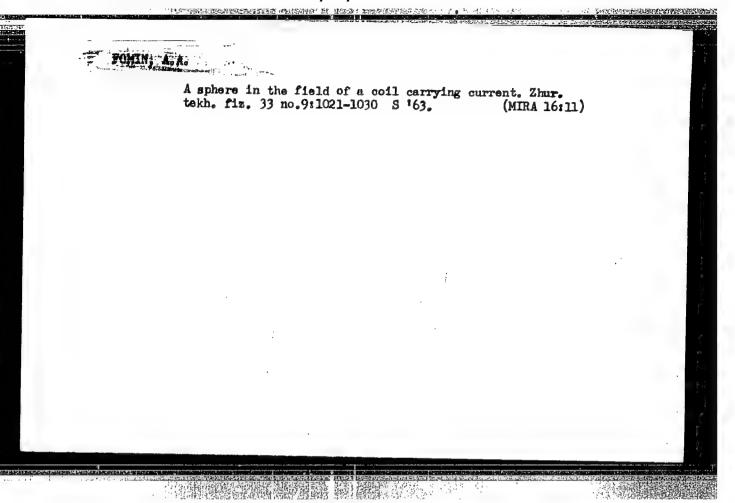
[Principles of radio engineering and radio-television systems] Osnovy radiotekhniki i kinoradioustanovki. Moskva, Izd-vo "Iskusstvo," 1963. 294 p. (MIRA 16:11) (Radio) (Television)

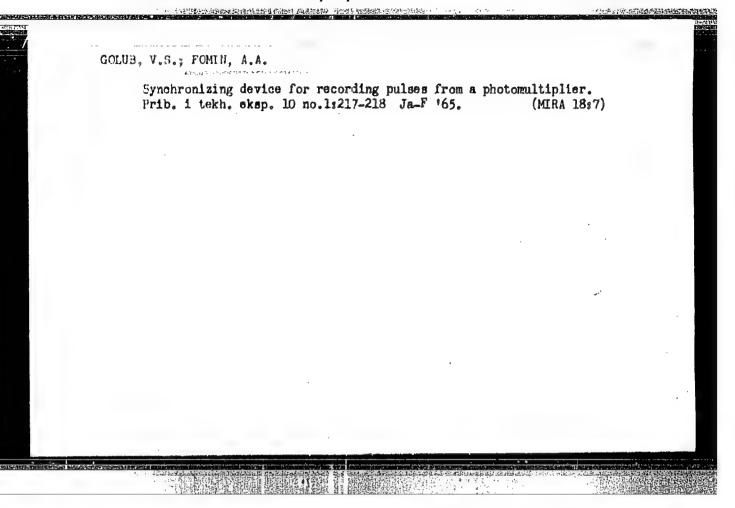
FOMIN, A.A.; VISHNYAKOV, B.S.; PROKHOROV, V.P.; KHAYEV, V.M.;

SHVEDSKIY, A.I.; ORLIN, A.S., doktor tekhn. nauk, prof.,
retsenzent; VASIL'YEVA, N.G., inzh., red.

[Modern tractor diesel engines; atlas of designs] Sovremennye traktornye dizeli; atlas konstruktsii. Moskva,
Mashgiz, 1963. 232 p. (MIRA 16:12)

(Tractors—Engines)





L 34707-05 EWT(1) IJP(c) ACCESSION NR: APSOISSIA

UR/0057/65/035/006/0983/0989

AUTHOR: Fomin. A.A.

TITES: A cylinder in the field of current-carrying conductors

一、特性特別的國際學院的問題與實際的發展的發展的影響。

STACE Zhurnal tekhnicheskoy fiziki, v.35, no.6, 1965, 983-989

TAGS: magnetic field, elternating magnetic field, cylindrical

ARRITHACT. The author treats the problem of a cylinder of magnetic in the field of a finite number of conductors merellel to

the and the force on the cylinder of the market direction of thir in the market direction of third extension in aximute. The continues to be sold as

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ACCESSION NR: AP5015618

in the form of finite sums over the conductors of infinite Fourier series. In case the conductors are infinitely thin also in estmuth, the infinite series can be summed and the results obtained in closed re is considerable discussion of the marine was under

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evient of the finite azimuthal extent of the resolventors is tablical. Originart.has: 41 formulas and 2 figures.

ASSOCIATION: none

SUBMITTED: 10Aug64

ENCL: 00

SUB CODE: EM

NR REF SOV: 003

CTHER: CO1

Card 2/2

L 2308-66

ACCESSION NRE AP5020732

UR/0057/65/035/008/1438/1443

AUTHOR: Fomin, A. 1.

31

TITLE: An infinite cylinder in the field of a coaxial system of turns

8

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 8, 1965, 1438-1443

TOPIC TAGS: electric inductance, induction furnace, skin effect, magnetic field

ABSTRACT: The author calculates the field within an infinitely long cylinder of given conductivity and permeability surrounded by a sequence of current-carrying rings centered on its axis. The author was motivated (at least in part) by the applicability of the calculations to induction heating of cylindrical parts. The field of the rings outside the cylinder is calculated with the aid of a tensor Green's function and the corresponding field within the cylinder is obtained in the form of an infinite series, each term of which is the integral of a product of Bessel and exponential functions. The self and mutual impedances of the rings are also expressed in terms of similar series. In deriving these series it was assumed that the rings are infinitely thin in the radial direction but of finite width is the axial direction. To evaluate the integrals occurring in the series

Card 1/2

L 2308-66

ACCESSION NR: AP5020732

it is now assumed that the rings are narrow also in the axial direction. Other simplifying assumptions are discussed, and for the case of small skin depth and small gap between the current rings and the surface of the cylinder, the calculation of the terms of the series is reduced to the evaluation of tabulated functions. The inductances of several systems were measured and good agreement is shown with the calculated values. (Abstracter's note: No experimental details are given.) Orig. art. has: 42 formulas, 2 figures, and 1 table.

ASSOCIATION: none

SUBMITTED: 12Dec64

ENCL: 00

SUB CODE: EM

NR REF SOV: 002

OTHER: 002

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R000413430001-5

L 06071-67 EWT(m) DJ

ACC NR: AP6018320 (N) SOURCE CODE: UR/0105/66/000/002/0012/0014

AUTHOR: Fomin, A. A. (Candidate of technical sciences; Leningrad)

ORG: none

TITLE: Theory of the electrodynamic bearing

SOURCE: Elektrichestvo, no. 2, 1966, 12-14

TOPIC TAGS: dry bearing, electrodynamic bearing, FLECTEODYNAMICS

ABSTRACT: The possibility of building an electrodynamic bearing is proven, and fundamental formulas describing such a bearing are deduced. A set of wires

(bearing) produces a magnetic field describable by: $H(r) = H_{\bullet}\left(\frac{r}{R_{\bullet}}\right)^{n}$. A non-ferromagnetic cylinder (shaft) is placed in this field. So long as the bearing and the shaft are aligned, the resulting force is zero. When an offset δ appears, the

Card 1/2

UDC: 538.3:621.822

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ACC NR: AP6018320

resulting force arises and tends to reduce S. A solution of the differential equations describing the system yields relations among the force acting upon the shaft, the offset S, and the field exponent n. The final formulas show that the shaft should be a good electrical conductor, that the supply frequency should not be too high, and that the skin effect should be pronounced. Orig. art. has: 1 figure and 40 formulas.

SUB CODE: 09 / SUBM DATE: 16Nov64 / ORIG REF: 007

Card 2/2 egk

"APPROVED FOR RELEASE: 08/23/2000

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ACC NR. APG004897

SOURCE CODE:

UR/0057/66/035/001/0186/0190

AUTHOR: Fomin, A.A

ONG: None

TITLE: Polyphase cylindrical inductor with a multipole field

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 1, 1966, 186-190

TOPIC TAGS: magnetic field, alternating magnetic field, magnetic trap, polyphase system, electric inductance, electric conductor

ABSTRACT: The author calculates the magnetic field produced within a circular cylinior by a system of conductors parallel to the axis and equally spaced on the surface of the cylinder carrying equal currents with a constant phase difference between the currents in successive conductors. The calculation is based on an expression for the vector potential previously given by the author (ZhTF, 35, No. 6, 1958) and the result is expressed as a Fourier sories in the azimuth. If the space outside the cylinder is filled with a ferromagnetic material with infinite permeability the field strength within the cylinder is doubled. If d is the phase difference between the currents in successive conductors and there are a total of N conductors in all, the number of phases is $\beta = 2\pi/d$, the number of pole paires is $p = N/\beta$, and the field near the axis is proportional to rp, where r is the distance from the axis. This rapid increase of

Card 1/2

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field strength with distance from the axis is advantageous for the design of electro- dynamic supports, electromagnetic crucibles, and magnetic traps. For fixed N, p is maximum when $\beta = 2$, and a two-phase system is recommended for the design of electro- dynamic supports. Only part has a system of the system of the design of electro-								
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